

Product datasheet for **RR208057**

Arsa (NM_001034933) Rat Tagged ORF Clone

Product data:

| | |
|--------------------|--|
| Product Type: | Expression Plasmids |
| Product Name: | Arsa (NM_001034933) Rat Tagged ORF Clone |
| Tag: | Myc-DDK |
| Symbol: | Arsa |
| Synonyms: | MGC125207 |
| Vector: | pCMV6-Entry (PS100001) |
| E. coli Selection: | Kanamycin (25 ug/mL) |
| Cell Selection: | Neomycin |



[View online »](#)

ORF Nucleotide Sequence:

>RR208057 representing NM_001034933
 Red=Cloning site Blue=ORF Green=Tags(s)

TTTTGTAATACGACTCACTATAGGGCGGCCGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
 GCC**CGGATCGCC**

ATGGGGCCCTGGGGACCCTCGTTTTGGCATTGGCTGCAGGCCTGAGCACTGCTAGCCACCTAACATCA
 TGCTGATCTTTGCTGATGACCTGGGCTATGGGGACCTCGCTCCTATGGGCACCCAGTTCTACCACCC
 CAACTTGATCAGTTGGCTGCAGGGGACTACGGTTCACAGATTCTATGTGCCTGTGTCTCTGTGCACT
 CCGTCTCGGGCTGCCCTCTGACTGGCCGGCTCCAGTTCGATCAGGCATGTACCCTGGAGTTCTGGGGC
 CCAGTTCCAAGGGGCTGCCCTGGAGGAGGTGACGTTGGCCGAAGTCTGGCTGCTCGAGGCTATCT
 AACAGGGATGGTGGCAAGTGGCATCTGGAGTAGGGCCAGAGGGGCTTCTGCCCCACATCAGGGC
 TTCCATCGATTCTGGGCATCCCATATCCCATGACCAGGTCCTGTGAGAACCAGCTGCTTCCCAC
 CAGACATCACCTGCAGTGGTGGCTGTGACCAAGGCCTAGTCCCATCCCCTGCTGGCCAACTGACTGT
 GGAGGCCAGCCCTTGGCTGCCTGGACTAGAGGCCGGTATGTGTCTTCTCCGAGACCTCATGGCG
 GATGCCACAGCCAGGGCCGACCATTCTTCTGTACTACGCTTCCACCACCCACTACCTCAGTTCA
 GTGGACAGAGCTTACCAAGCGCTCAGGCCGTGGGCCCTTGGGGACTCCTTGATGGAGCTGGATGGAGC
 TGTGGGGCCTTGATGACAGCTGTGGGGACCTAGGTCTGCTGGGAGAGACACTGGTCACTTCACTGCA
 GATAACGGTCTGAATTGATGCGTATGTCCGATGGCGGCTGCTCCGGCCTTGAGATGTGGAAAAGGAA
 CAACTTTGAAGTGGCGTCCGGGAACCCGCTTGGTCTACTGGCCAGGTACATTACTCCTGGTGTAC
 CCAGGCTGGCAGCTCTTGGACCTGCTGCCACCTGGCAGCACTGACCGGGCTCCGCTGCCCAAT
 ATCACCTGGATGGTGTGACATCAGCCCTTGTCTGCTAGGCACAGGCAAGAGCCACGGAATCTGTCT
 TCTTCTACCCACCGTCCCAGACGAGATCCATGGAGTCTTCGCGTTCGGAATGGGAAGTACAAGGCTCA
 TTTCTTTACCCAGGGCTCCGCCACAGTGACACCACTCCAGATCCTGCCTGTGATGCCGCAACCGTCTG
 ACAGCTACGAGCCCCACTGCTCTACGACTTGTCTAAGGACCCTGGTGAGAACTACAATCTTTGGATA
 GTACAGAGGAGTCTCTCCAGAAGCTCTCCAGGCTTTGAAGCACATTGAGCTGCTCAAGGCCGAGTATGA
 TGCAGCTATGACCTTACGCCCCAGCCAGATAGCCAAGGGTGAAGACCCTGCCCTTCAGATCTGCTGCAG
 CCGAGCTGCACTCCCACCCAGTCTGCTGCCACTGCCAGACTCCCCTCC

ACGCGTACGCGGCCGCTCGAGCAGAACTCATCTCAGAAGAGGATCTGGCAGCAAATGATATCTGGATT
 ACAAGGATGACGACGATAAGGTTTAA

Protein Sequence:

>RR208057 representing NM_001034933
 Red=Cloning site Green=Tags(s)

MGALGTLVLALAAGLSTASPPNIMLIFADDLGYGDLGSYGHPSSSTPNLDQLAAGGLRFTDFYVPVSLCT
 PSRAALLTGRLPVRSGMYPGVLGPSSQGGPLEEVTLAEVLAARGYLTMAGKWHLGVGPEGAFLPPHQG
 FHRFLGIPYSHDQGPCQNLTCFPPDITCSGGCDQGLVIPLLANLTVEAQPWLPGLARYVVSFRDLMA
 DAQRQGRPFLLYYASHHHTYPQFSGQSFTKRSGRGPFGDSLMELDGAVGALMTAVGDLGLLGETLVIFTA
 DNGPELMRMSDGGCSGLLRCKGTTFEGGVREPALVYWPGHITPGVTHELASSLDLLPTLAALTGAPLPN
 ITLDGVDISPLLLGTGKSPRNSVFFYPFPDEIHGVFAVRNGKYKAHFFTQGSASHSDTTPDPACHAANRL
 TAHEPPLLYDLKDPGENYNLLDSTEEVSPEALQALKHIELLKAHYDAAMTFSPSQIAKGEDPALQICCC
 PSCTPHPVCHCPDSSH

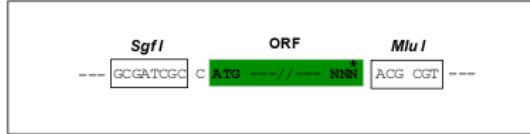
TRTRPLEQKLISEEDLAANDILDYKDDDDKV

Restriction Sites:

Sgfl-MluI

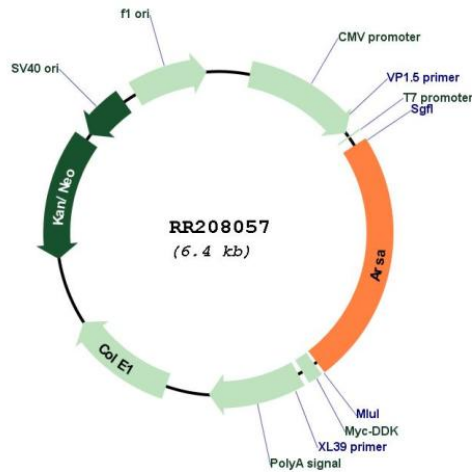
Cloning Scheme:

Cloning sites used for ORF Shutting:



* The last codon before the Stop codon of the ORF

Plasmid Map:



ACCN: NM_001034933

ORF Size: 1521 bp

OTI Disclaimer: The molecular sequence of this clone aligns with the gene accession number as a point of reference only. However, individual transcript sequences of the same gene can differ through naturally occurring variations (e.g. polymorphisms), each with its own valid existence. This clone is substantially in agreement with the reference, but a complete review of all prevailing variants is recommended prior to use. [More info](#)

OTI Annotation: This clone was engineered to express the complete ORF with an expression tag. Expression varies depending on the nature of the gene.

Components: The ORF clone is ion-exchange column purified and shipped in a 2D barcoded Matrix tube containing 10ug of transfection-ready, dried plasmid DNA (reconstitute with 100 ul of water).

Reconstitution Method:

1. Centrifuge at 5,000xg for 5min.
2. Carefully open the tube and add 100ul of sterile water to dissolve the DNA.
3. Close the tube and incubate for 10 minutes at room temperature.
4. Briefly vortex the tube and then do a quick spin (less than 5000xg) to concentrate the liquid at the bottom.
5. Store the suspended plasmid at -20°C. The DNA is stable for at least one year from date of shipping when stored at -20°C.

RefSeq: [NM_001034933.2](#), [NP_001030105.2](#)

RefSeq Size: 1524 bp

RefSeq ORF: 1524 bp

Locus ID: 315222

Cytogenetics: 7q34

MW: 53.7 kDa